

(51) International Patent Classification:
A61B 1/00 (2006.01)

(21) International Application Number:

PCT/EP2014/000295

(22) International Filing Date:

4 February 2014 (04.02.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13000552.3	4 February 2013 (04.02.2013)	EP
61/760,507	4 February 2013 (04.02.2013)	US
13000553.1	4 February 2013 (04.02.2013)	EP
61/760,511	4 February 2013 (04.02.2013)	US
13001748.6	5 April 2013 (05.04.2013)	EP
61/809,048	5 April 2013 (05.04.2013)	US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

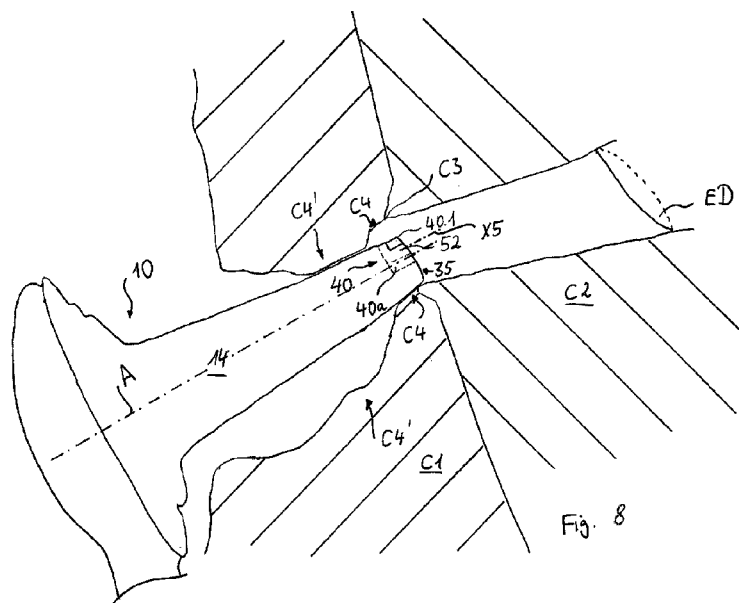
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

[Continued on next page]

(54) Title: EAR INSPECTION DEVICE AND METHOD OF DETERMINING A CONDITION OF A SUBJECT'S EAR



(57) Abstract: The present invention refers to an ear inspection device (100) configured for being at least partially introduced into a subject's external ear canal for determining a condition of the subject's ear, such as temperature, in particular at the subject's eardrum, wherein the ear inspection device (100) comprises an infrared sensor unit (140) configured for detecting infrared radiation from the subject's ear, and further comprises an electronic imaging unit (140) configured for capturing images based on radiation in the visible range from the subject's ear, wherein the electronic imaging unit (40; 140) exhibits at least one optical axis (X; X1, X2) which is arranged such that it can be positioned radially offset within the ear canal, and wherein the infrared sensor unit (52; 140) exhibits a visual axis (X5) which is arranged such that it can be positioned centrally within the ear canal or radially offset within the same semicircle, especially the same quadrant, of the cross section of the ear canal. The invention further refers to a corresponding method of determining a condition of a subject's ear, such as temperature,

in particular at the subject's eardrum.



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